

United States of America  
Department of Transportation - Federal Aviation Administration  
**Supplemental Type Certificate**

*Number* ST02230NY-D

*This certificate, issued to* Delta Engineering  
13 DRBA Way  
New Castle County Airport  
New Castle, Delaware 19720

*certifies that the change in the type design for the following product with the limitations and conditions therefore as specified hereon meets the airworthiness requirements of Part 25 of the Federal Aviation Regulations.*

*Original Product — Type Certificate Number:* T00001SE  
*Make:* Boeing  
*Model:* 777-300 Series

*Description of Type Design Change:*

Installation of Panasonic Avionics Corporation System 3000i In-Flight Entertainment System (IFE) in accordance with Delta Engineering Master Data List 0143-05931-2131 Revision C dated Nov. 6, 2007 or later DAS Approved.

*Limitations and Conditions:*

1. Delta Engineering Instructions for Continued Airworthiness 0743-05935-2131 Revision A dated Jun. 04, 2007 is required with this installation.
2. Delta Engineering Airplane Flight Manual Supplement Document Number 0643-06030-2131 Revision – dated Jun. 29, 2007 is required for this installation
3. If the holder agrees to permit another person to use the certificate to alter the product, the holder shall give the other person written evidence of that permission.
3. This STC must be installed concurrent with FAA STC ST01772SE.
4. Compatibility of this design change with previously approved modifications must be determined by the installer.

*This certificate and the supporting data which is the basis for approval shall remain in effect surrendered, suspended, revoked, or a termination date is otherwise established by the Administrator of the Federal Aviation Administration.*

*Date of application:* April 17, 2007

*Date reissued:*

*Date of issuance:* June 29, 2007

*Date amended:* November 9, 2007



*By direction of the Administrator*

*John A. Moritz*  
John A. Moritz  
DAS Administrator  
Delta Engineering, DAS-800728-NE  
(Title)

Any Alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both.

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(Continuation Sheet)

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*Certification Basis:*

Based on 14 CFR §§ 21.115 and 21.101, and the FAA policy for significant changes in FAA Order 8110.48, the certification basis for the Boeing 777-300 Series with this STC is as follows:

- a. The type certification basis for Boeing 777-300 Series airplanes is shown on TCDS T00001SE for parts **not changed or not affected** by the change.
- b. The certification basis for parts **changed or affected** by the change since the reference date of application, April 17, 2007 is based upon part 25 as amended by Amendment 25-119. Based on 14 CFR §§ 21.115 and 21.101, and the FAA policy for significant changes in FAA Order 8110.48, the certification basis for this modification was determined to be as shown on the TCDS T00001SE except the regulations listed below:

Section	Title	At Amendment
§25.831	Ventilation	25-89
§25.853	Compartment interiors	25-116
§25.869	Fire protection: systems	25-113
§25.981	Fuel Tank Prevention	25-102
§25.1353	Electrical equipment and installations	25-113
§25.1431	Electronic equipment	25-113

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*This certificate may be transferred in accordance with FAR 21.47*